

ABSTRACT

Provided is a process for converting methane at a remote natural gas site into ethylene and other products. Methane is converted into syngas which is converted into a low-sulfur liquid hydrocarbon mixture containing less than 1 ppm sulfur via Fischer-Tropsch (FT) syntheses. The low-sulfur Fischer-Tropsch liquids are transferred from the remote site to an existing facility where a sulfur-containing compound or a sulfur-containing hydrocarbon mixture is added to avoid coking problems. The resultant blend of hydrocarbons which has a sulfur content of at least 1 ppm, is fed to a naphtha cracking unit and ethylene recovered.